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1 September 1987

MEMORANDUM FOR: [REDACTED]

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FROM: [REDACTED]

SUBJECT: FIRST MEETING OF THE FUTURE SIGNALS ENVIRONMENT UPDATE
WORKING GROUP [REDACTED]

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1. We held our kick-off meeting of the FSE Update Working Group on 26 Aug. We have attached to this memo the agenda that we followed during the meeting, a list of the attendees, and hardcopies of the visuals that were used in the review of the TOR for the effort. [REDACTED]

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3. The meeting progressed rather well and with good participation by the wkg grp members.

- o They appear to agree with the course as it has been laid out but continue to stress the fact that we have to keep our eyes open to the third world targets to be sure that we react properly if the phase I assessment doesn't hold up.
- o The various wkg grp members asked the chapter drafters to keep them informed of the contacts they were making within the members' agencies.
- o The DDI rep [REDACTED] commented that the TOR should emphasize the economic and political considerations a bit more than it does.

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- o The Army rep (T. Bigley) indicated that they were concerned that the number of reps who were also FSCS reps tended to defeat the purpose of having a separate study. She also was of the impression that we may simply end up rehashing the "futurized" FSCS tasks.
- o The NRO rep [REDACTED] commented that the study should aim at a "top level" document that contained only as much detail as was absolutely needed. (This should put Army's concerns to rest.)

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- o [] recommended that the TOR be looked at again to be sure that it lays on the need to develop both the "likely" and also the "alternative" futures. He also stated the common concern that we be watchful of the third world target. 25X1

4. Between now and the next meeting we plan to work on a number of items that relate to the overall effort.

- o Get formal NSA input on their rep.
- o Establish closer linkage with a number of the group members.

-- DDI, []

-- DIA, [] 25X1

- o Work with the chapter drafters

-- Mark Chapman/NISC (Chm/ECM SubCom/WSSIC), make initial contact. (We previously had been working with Capt. Greg Radabaugh/ES ECM SubCom/WSSIC because Chapman was finishing an extended training program.)

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-- []/NSA (Comm chapter drafter), try to arrange an invitation to his working group meeting at NSA. 25X1

- o Identify candidate educational presentations to be given during wkg grp meetings or meetings held by the chapter drafters.

- o Acquire more administrative and background information to support the decisions on location and attendance of the mini conferences.

- o Integrate NFIB member organizations' comments into the "final" TOR. [] 25X1

5. The next meeting is scheduled for 1300 on 9 Sept. We intend to reach final agreement on the TOR and have at least one presentation [] 25X1
[] for the wkg grp. [] 25X1

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Attachments:

- 1 - Agenda
- 2 - KICK-OFF MTG Attendees
- 3 - Viewgraphs.

TOP SECRET

SUBJECT: First Meeting of the Future Signals Environment Update Working Group

DISTRIBUTION:

- 1 - D/PPU [redacted]
- 2 - [redacted]
- 3 - [redacted]
- 4 - PPO Chrono

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DCI/ICS/PPU [redacted] 1 September 87

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TOP SECRET

AGENDA

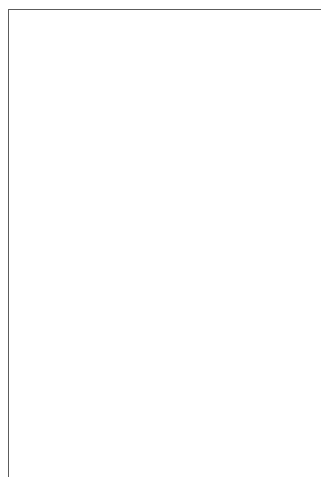
Future Signals Environment Study Working Group Meeting



26 August 1987

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- 1300 Opening Remarks/Introductions
- 1305 Administrative Instructions
- 1310 FSCS Status
- 1325 Terms of Reference Review/Discussion
- 1340 - Communications Chapter Overview
- 1350 - FIS Chapter Overview
- 1400 - Radar Chapter Overview
- 1410 - ECM Chapter Overview
- 1420 Discussion
- 1440 Adjourn



Capt. Radibeau
(for M. Chapman)

All

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KICK-OFF MEETING

ATTENDEES

ORG	MEMBER	
- DDI	<div></div>	25X1
- State/INR	Richard E. Curl	
- D/DIA	<div></div>	25X1
- FBI	Robert P. Hanssen	
- Secretary of AF	<div></div>	25X1
- DNI	Capt K. G. Robison	
- DC SI/Army	Teresa C. Bigler	
- AC SI/AF	C/M/Sgt Kleiges	
- Dir. Intell, USMC	Maj R. Ingold	
- ANIO/S&T	<div></div>	25X1
- CIA/OGI		
- NSA		
- FTD	James Boone	
- ES/WSSIC	Jay Brownlee	
- ES/STIC	<div></div>	25X1
- WSSIC/ECM	Capt Greg Radabaugh	

CONFIDENTIAL

Scope:

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Time Frame: 1995-2010. Reference date is the year 2000.

Target Countries: Soviet Union (Identify elements of the non-Soviet environment that will need updating and update as required.)

Signal Categories: All signals are of interest with the greatest emphasis on those amenable to overhead collection. Four major categories have been defined: communications, FIS, radar, and electronic countermeasures.

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Approach: []

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The assessment will be prepared by an interagency working group consisting of representatives from all NFIB member agencies and observer agencies. The group will be chaired by [] Deputy Director/PPO. [] PPO, will be the Executive Secretary.

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The interagency working group will coordinate the terms of reference for this effort, monitor the preparation of the drafts of the principal chapters, and coordinate the report. In cooperation with the NIC, the report will be presented to NFIB for review and DCI approval.

The assessment will contain separate chapters on communications signals, FIS, radar signals, and electronic countermeasures. The principal drafters of these chapters will be:

Communications	- [] NSA
FIS	- James R. Boone, FTD
Radar	- Jay Brownlee, WSSIC (with STIC)
ECM	- Mark Chapman (tentative), NISC

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Approach: (Cont'd.)

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Annexes A, B, C, and D contain key questions relevant to each respective chapter. In addressing the key questions the drafters will consider not only which technologies will be available but the typical time frame and resources required to implement a new technology on a large scale basis so as to support the deployments of weapons and systems expected in the time frame under consideration. They will also describe the time phasing of evolution for each Soviet advance and identify the critical elements that will enable the evolution of these new capabilities to take place. The overall results will be presented insofar as possible in a manner that will facilitate the ultimate definition of both the RF spectrum and the related emitter/pulse density existent within that signal environment.

MINI-CONFERENCE

The principal drafter of each chapter will be responsible for preparing an initial draft, conducting a mini-conference to discuss the initial draft, and revising the initial draft accordingly. The mini-conference is intended to bring together a relatively small group (approximately 15) of knowledgeable senior individuals and technical experts in order to subject the factual data base, analysis, and judgments to critical scrutiny from various perspectives.

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OUTLINE:

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Scope Note

Key Judgments

Introduction

Communications Signals Environment

Foreign Instrumentation Signals Environment

Radar Signals Environment

Electronic Countermeasures Signal Environment

Soviet Counter-SIGINT Policies and Programs (tailored appendix)

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SCHEDULE:



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Key milestones are as follows:

- o Kick-off Meeting of interagency working group - 26 August
- o Coordinated TOR - 9 September
- o Initial principal chapter drafts - 1 November
- o Mini-Conferences - November
- o Final chapter drafts - 1 December
- o Initial Draft Report - 15 December
- o NFIB Meeting - January 1988



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